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A method of telemicroscopy comprises the step of preparing a specimen on a microscopy slide. The slide is placed upon the stage of a microscope equipped with digital imaging apparatus and motorised stage and the specimen imaged to obtain a composite high resolution image of the whole specimen. A relatively low resolution copy of that image is obtained and stored in a datastore. The method further comprises the steps of allowing access to the datastore from a terminal transferring the low resolution image to the terminal and displaying the image upon a monitor selecting by means of the remote terminal, as area of the low resolution image transferring corresponding high resolution image data for that area from the datastore to the terminal.